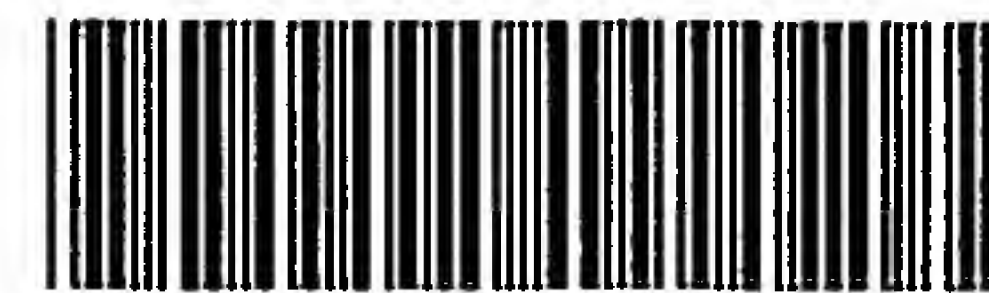


RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/936,823A
Source: 1FW16
Date Processed by STIC: 10/12/05

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IFW16

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DATE: 10/12/2005

PATENT APPLICATION: US/09/936,823A

TIME: 11:23:19

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3 <110> APPLICANT: Merja PENTTILA et al.
 5 <120> TITLE OF INVENTION: PROCESS FOR PARTITIONING OF PROTEINS
 7 <130> FILE REFERENCE: 0933-0170P
 9 <140> CURRENT APPLICATION NUMBER: US 09/936,823A
 10 <141> CURRENT FILING DATE: 2001-10-24
 12 <150> PRIOR APPLICATION NUMBER: PCT/FI00/00249
 13 <151> PRIOR FILING DATE: 2000-03-24
 15 <150> PRIOR APPLICATION NUMBER: FI 19991782
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 19 <151> PRIOR FILING DATE: 1999-03-25
 21 <160> NUMBER OF SEQ ID NOS: 46
 23 <170> SOFTWARE: PatentIn Ver. 2.2
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 428
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Trichoderma reesei
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 31 <221> NAME/KEY: intron
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 36 <222> LOCATION: (323)..(386)
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 39 <221> NAME/KEY: misc_feature
 40 <223> OTHER INFORMATION: Coding sequence of hfb1
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 45 tgtgccaccc aagtccttgg cctcatcggc cttgactgca aagtccgtaa gttgagccat 180
 46 aacataagaa tcctcttgac ggaaatatgc cttctcactc ctttaccctt gaacagcctc 240
 47 ccagaacgtt tacgacggca ccgacttccg caacgtctgc gccaaaaccg gcgcccagcc 300
 48 tctctgctgc gtggcccccg ttgtaagttg atgccccagc tcaagctcca gtctttggca 360
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 55 <212> TYPE: DNA
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 58 <220> FEATURE:
 59 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR 5' primer
 61 <400> SEQUENCE: 2
 62 tcgggcacta cgtgccagta tagcaacgac tactactcgc aatgccttgt tccgcgtggc 60

P-6

RAW SEQUENCE LISTING

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79 <211> LENGTH: 63
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR 5' primer
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88      ggc                                                    63
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96 <220> FEATURE:
97 <221> NAME/KEY: promoter
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99 <223> OTHER INFORMATION: cbh1 promoter sequence
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103      acctccatta cgcctccccc atagagttcc caatcagtga gtcattggcac tgttctcaaa 120
104      tagattgggg agaagttgac ttccgccag agctgaaggt cgcacaaccg catgatatag 180
105      ggctcggcaac ggcaaaaaag cacgtggctc accgaaaagc aagatgtttg cgatctaaca 240
106      tccaggaacc tggatacatc catcatcacg caccgaccact ttgatctgct ggtaaactcg 300
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109      tccgagctgt aactacctct gaatctctgg agaattggtg actaacgact accgtgcacc 480
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122      tgaccgactg gggctgttcg aagcccgaat gtaggattgt tatccgaact ctgctcgtag 1260
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124 caccgatagc agtgtctagt agcaacctgt aaagccgcaa tgcagcatca ctggaaaata 1380
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126 taattgtaca atcaagtggc taaacgtacc gtaatttgcc aacgcgttgt ggggttgtag 1500
127 aagcaacggc aaagcccact tcccacgttt gtttcttcac tcagtccaat ctcagctggc 1560
128 gatcccccaa ttgggtcgct tgtttgttcc ggtgaagtga aagaagacag aggtagaagt 1620
129 gtctgactcg gagcggtttg catacaacca agggcagtga tggaagacag tgaaatgttg 1680
130 acattcaagg agtatcttagc cagggatgct tgagtgtatc gtgtaaggag gtttgtctgc 1740
131 cgatacgacg aatactgtat agtcacttct gatgaagtgg tccatattga aatgtaagtc 1800
132 ggcactgaac aggcaaaaga ttgagttgaa actgcctaag atctcgggcc ctcgggcttc 1860
133 ggctttgggt gtacatgttt gtgctccggg caaatgcaaa gtgtggtagg atcgacacac 1920
134 tgctgccttt accaagcagc tgaggggatg tgataggcaa atgttcaggg gccactgcat 1980
135 ggtttcgaat agaaagagaa gcttagccaa gaacaatagc cgataaagat agcctcatta 2040
136 aacgaaatga gctagtaggc aaagtcagcg aatgtgtata tataaagggt cgaggtccgt 2100
137 gcctccctca tgctctcccc atctactcat caactcagat cctccaggag acttgtagac 2160
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141 <210> SEQ ID NO: 6

142 <211> LENGTH: 1588

143 <212> TYPE: DNA

144 <213> ORGANISM: Trichoderma reesei

146 <220> FEATURE:

147 <221> NAME/KEY: misc_feature

148 <223> OTHER INFORMATION: T. reesei egl1 cDNA

150 <400> SEQUENCE: 6

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151 cccccctatc ttagtccttc ttgttggtccc aaaatggcgc cctcagttac actgccgttg 60
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153 cccgaggtec atcccaagtt gacaacctac aagtgtacaa agtccggggg gtgcgtggcc 180
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155 tcgtgcaccg tcaacggcgg cgtcaacacc acgctctgcc ctgacgaggc gacctgtggc 300
156 aagaactgct tcatcgaggg cgtcgactac gccgcctcgg gcgtcacgac ctcgggcagc 360
157 agcctcacca tgaaccagta catgcccagc agctctggcg gctacagcag cgtctctcct 420
158 cggctgtatc tcctggactc tgacgggtgag tacgtgatgc tgaagctcaa cggccaggag 480
159 ctgagcttcg acgtcgacct ctctgctctg ccgtgtggag agaacggctc gctctacctg 540
160 tctcagatgg acgagaacgg gggcgccaac cagtataaca cggccgggtg caactacggg 600
161 agcggctact gcgatgctca gtgccccgtc cagacatgga ggaacggcac cctcaacact 660
162 agccaccagg gcttctgctg caacgagatg gatatcctgg agggcaactc gagggcgaat 720
163 gccttgaccc ctcaactctg cacggccacg gcctgcgact ctgccggttg cggcttcaac 780
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169 aactggctcg acagcggcaa cgccggcccc tgcagcagca ccgagggcaa cccatccaac 1140
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174 tatagcaacg actactactc gcaatgcctt tagagcgttg acttgccctc ggtctgtcca 1440
175 gacgggggca cgatagaatg cgggcacgca gggagctcgt agacattggg cttaatatat 1500
176 aagacatgct atgttgatc tacattagca aatgacaaac aaatgaaaaa gaacttatca 1560

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Output Set: N:\CRF4\10122005\I936823A.raw

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182 <212> TYPE: DNA
183 <213> ORGANISM: Trichoderma reesei
185 <220> FEATURE:
186 <221> NAME/KEY: terminator
187 <222> LOCATION: (1)..(745)
188 <223> OTHER INFORMATION: T. reesei cbh1 terminator
190 <400> SEQUENCE: 7
191      ggacctaccc agtctcacta cggccagtgc ggcggtattg gctacagcgg cccacaggtc 60
192      tgcgccagcg gcacaacttg ccaggctcctg aacccttact actctcagtg cctgttaaagc 120
193      tccgtgcgaa agcctgacgc accggtagat tcttggtgag cccgtatcat gacggcggcg 180
194      ggagctacat ggccccgggt gatttatattt ttttgtatct acttctgacc cttttcaaat 240
195      atacggtcaa ctcatctttc actggagatg cggcctgctt ggtattgcga tgttgtcagc 300
196      ttggcaaatt gtggctttcg aaaacacaaa acgattcctt agtagccatg cattttaaga 360
197      taacggaata gaagaaagag gaaattaaaa aaaaaaaaaa aacaaacatc ccgttcataa 420
198      cccgtagaat cgccgctctt cgtgtatccc agtaccacgt caaaggattt catgatcggt 480
199      caatgttgat attgttccgc cagtatggct ccacccccat ctccgcgaat ctctcttct 540
200      cgaacgcggt agtggctgct gccaattggt aatgaccata gggagacaaa cagcataata 600
201      gcaacagtgg aaattagtgg cgcaataatt gagaacacag tgagaccata gctggcggcc 660
202      tggaaagcac tgttggagac caacttgtcc gttgcgaggc caacttgcac tgctgtcaag 720
203      acgatgacaa cgtagccgag gaccc                                         745
206 <210> SEQ ID NO: 8
207 <211> LENGTH: 10
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Description of Artificial Sequence: annealed primer
214 <400> SEQUENCE: 8
215      taaccgcggt                                                         10
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226 <400> SEQUENCE: 9
227      ctagaccgcg gttaat                                                         16
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231 <211> LENGTH: 1232
232 <212> TYPE: DNA
233 <213> ORGANISM: Trichoderma reesei
235 <220> FEATURE:
236 <221> NAME/KEY: promoter
237 <222> LOCATION: (1)..(1232)
238 <223> OTHER INFORMATION: T. reesei gpd1 promotor
240 <400> SEQUENCE: 10
241      gtcgacacga tatacaggcg cggctgatga taatgatgat cgagcatgac ttgatgctgt 60

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243  caccaagggtg catgcatcat aaggattctc ctgagctcac caacaacgaa cgatggccat 180
244  gttagtgaag gcaccgtgat ggcaagatag aaccactatt gcatctgcgc ttcccacgca 240
245  cagtacgtca agtaacgtca aagccgcctt cccgtaacct cgcccgttgt tgctcccccc 300
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251  taggatggcg gctggcgggg ccgaagctgg gaactcgcca acagtcatat gtaatagctc 660
252  aagttgatga taccgttttg ccagattaga tgcgagaagc agcatgaatg tcgctcatcc 720
253  gatgccgcac caccgttgtg tcagaaacga ccaagctaag caactaaggc accttaccgt 780
254  ccactatctc aggtaaccag gtactaccag ctaccctacc tgccgtgcct acctgcttta 840
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256  ctctctctcc ttcttctcca taaccattcc taacaacatc gacattctct cctaataacc 960
257  agcctcgcaa atctctagtt tgtatgtacg tacgtactac aatcatcacc acgatcgtcc 1020
258  gcccgcacgat gcggcttctg ttgcctgcc cctctctca ctcgtgccct tgacgagcta 1080
259  gccccgccag gactctcctg cgtcaccaat ttttttccct atttaccct cctccctctc 1140
260  tccctctcgt ttcttctcaa caaacaacca ccacaaaat ctctttggaa gctcacgact 1200
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265 <211> LENGTH: 1129

266 <212> TYPE: DNA

267 <213> ORGANISM: Trichoderma reesei

269 <220> FEATURE:

270 <221> NAME/KEY: terminator

271 <222> LOCATION: (1)..(1129)

272 <223> OTHER INFORMATION: T. reesei gpd1 terminator

274 <400> SEQUENCE: 11

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276  atgacgaata gagccaatct gctccacttg actatcttgt gactgtatcg tatgtcgaac 120
277  ccttgactgc ccattcaaac aattgtaaag gaatatagct acaagttatg tctcacgttt 180
278  gcgtgcgagc ccgtttgtac gttattttga gaaagcgttg ccatcacatg ctcacagtca 240
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282  agaaggaatg gtaggacctc tcaggcgtcc accatctgtg ctgcaaatac aagaaacccc 480
283  ccaaaagcac ctacctatct acctagagta actgcacgag aaaagaaaag gagcagaaga 540
284  agaatgatct caagaggccg tgaacgcaga aacacactcc tcccaacttt tcaagttttg 600
285  aacaaaaaaa gaaagatgag gactagaaga tggagtattt ccttcttaga gagctctcgg 660
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288  gaagcggggg tatcgacgcc accaaagatc ttgtcttggt gacttatcaa tcctttgggtg 840
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292  aggagagaga tatttccact accgctcacc accaagtgag gcttgccgag agaagaggat 1080
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296 <210> SEQ ID NO: 12

6

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/936,823A

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:12; N Pos. 2570,2778,2869

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 1

Seq#:42; Line(s) 1095

VERIFICATION SUMMARY

DATE: 10/12/2005

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L:368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:2520

M:341 Repeated in SeqNo=12